

# Passive Hydrocarbon Skimmer

## ORS Filter Bucket™

The ORS Filter Bucket™ is an independently floating passive hydrocarbon skimmer that is equipped with a visual alarm to indicate when the bucket is full. The heart of the system is a floating cartridge that recovers product for storage in an integral 2-liter reservoir. Actual separation of product from water is carried out by a mesh screen located in the cartridge. This screen is specially treated to pass oil and repel water.

### OPERATION

As product passes through the cartridge, it passes into one of the two hoses and is gravity fed through the bucket wall and through a small check valve. When the cover of the bucket is removed, product can be seen flowing into the bucket. The rate of flow into the ORS Filter Bucket™ is dependent upon the viscosity of the product and the thickness of the slick. As product accumulates in the reservoir, the ORS Filter Bucket™ will ride lower in the water. At the same time, the product level indicator shaft will be extended through the lid of the bucket. The ORS Filter Bucket™ is designed so that the reservoir will cease taking on product just as the cartridge contacts the bucket handle.



ORS Filter Bucket™

### SPECIFICATIONS

#### Dimensions

Height	16"
Diameter	10"
Weight	7lbs
Capacity	2 liters

#### Materials

Body	polyethylene
Hoses	polyethylene
Check valves	nylon
Cartridge	100 Mesh Oleophilic/hydrophobic (blue) 60 Mesh Oleophilic/hydrophobic (green)

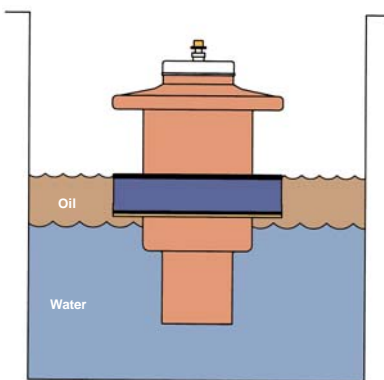
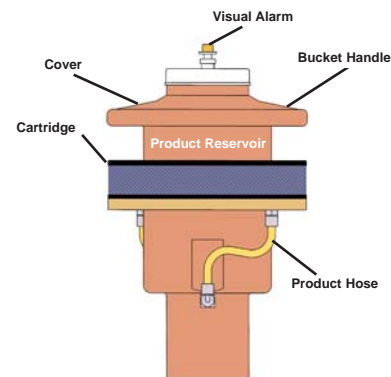


Figure 1 - Installation

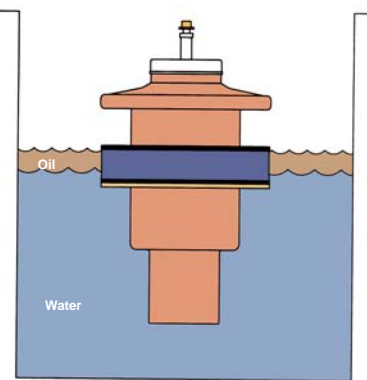


Figure 2 - Capturing Process

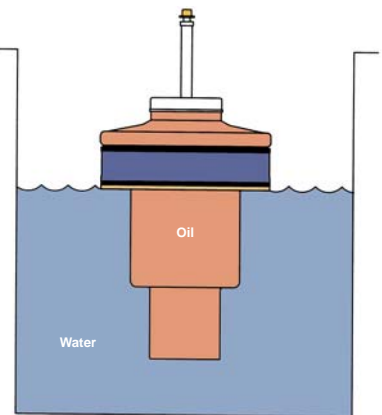


Figure 3 - Full

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